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# Conway Park

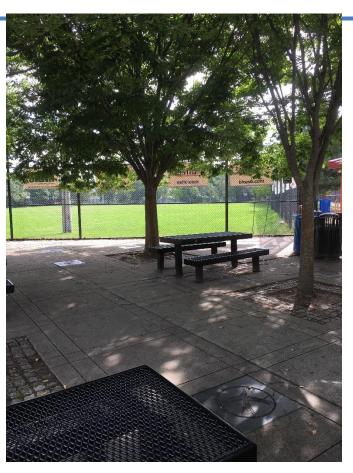


Environmental Conditions Update Meeting December 5, 2018



# Meeting Agenda

- Opening Remarks
- Site History
- Assessment Process and Regulatory Overview
- Findings and Draft Data Presentation
- Next Steps
- Questions





# Opening Remarks

- Update on Environmental Conditions
- Focus on the Data Collected Since March
- Introductions
  - City Representatives
  - Weston & Sampson
  - MassDEP



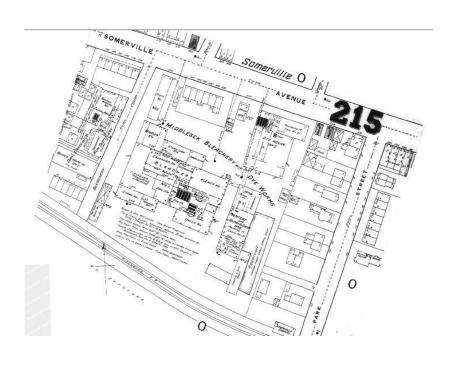
### **Project History**

- Desire to fix the retaining wall
  - Geotechnical, structural Investigation
  - Environmental samples for soil disposal
  - Plus preliminary data to support park design
- Elevated lead and PCBs (in one sample)
- Supplemental investigation in March
- Resulted in notification to MassDEP and EPA
- Presented those data to the public in March, 2018



# Site History

- 1800s Bleachery and Dye works established
- Operated until early 30s
- Field discussed in early-mid 40s
- Renovated in 1976 and in 2001





### **Assessment Process**

- Site is regulated by MassDEP
  - Mass. Contingency Plan
  - LSP Oversight
- And by EPA
  - Toxic Substance Control Act
  - PCB sites
  - Approval process





### TYPICAL MASSACHUSETTS CONTINGENCY PLAN CLEANUP TIMELINE

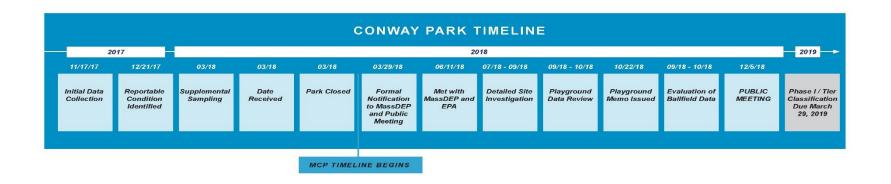
YEAR ONE	YEAR 1 Following Tier Classification	YEAR 2	YEAR 3	YEAR 4	YEAR 5 Cleanup / Site Control Achieved		
PRELIMINARY RESPONSE ACTIONS	COMPREHENSIVE RESPONSE ACTIONS						
INITIAL ASSESSMENT	E	Detailed Investigation valuation of Remedial Alternatives		Remedial Design	Cleanup & Closure		

TIER CLASSIFICATION

### **Timeline**

### TYPICAL MASSACHUSETTS CONTINGENCY PLAN CLEANUP TIMELINE

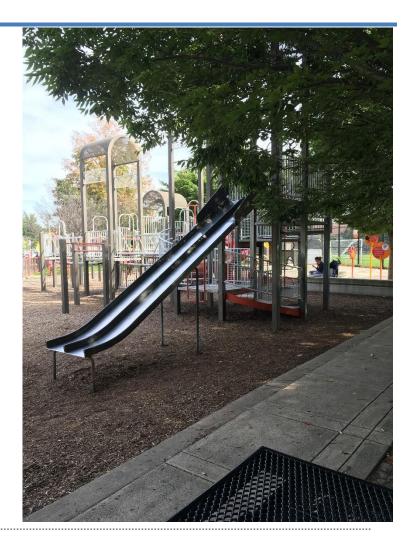
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TIER CLAS	SIFICATION						





### Findings and Draft Data Review

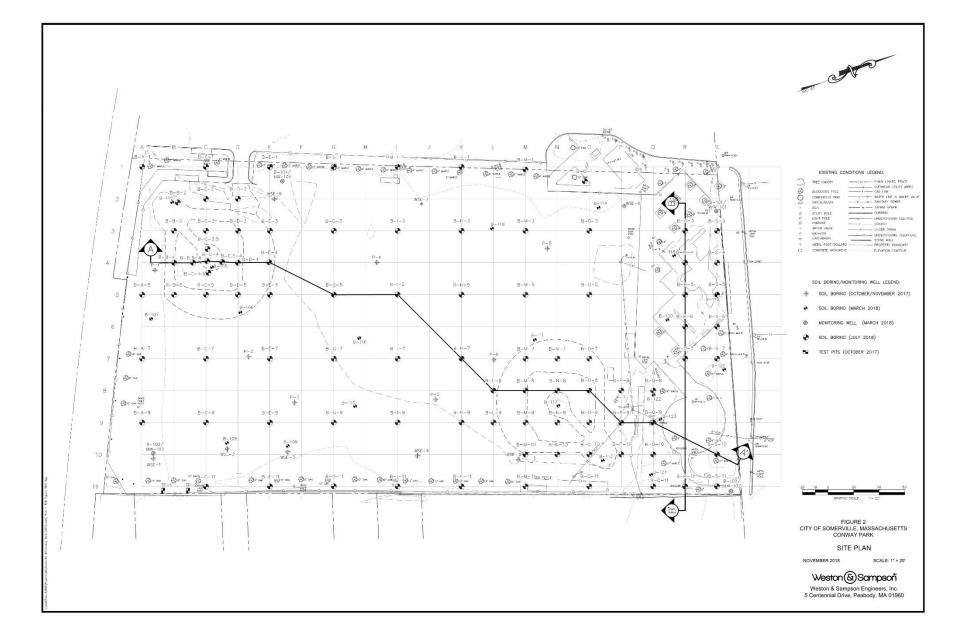
- Playground
  - Northwest portion of playground
  - Southeastern portion of playground
- Ballfield
  - PCB Data Review



# Field Summary

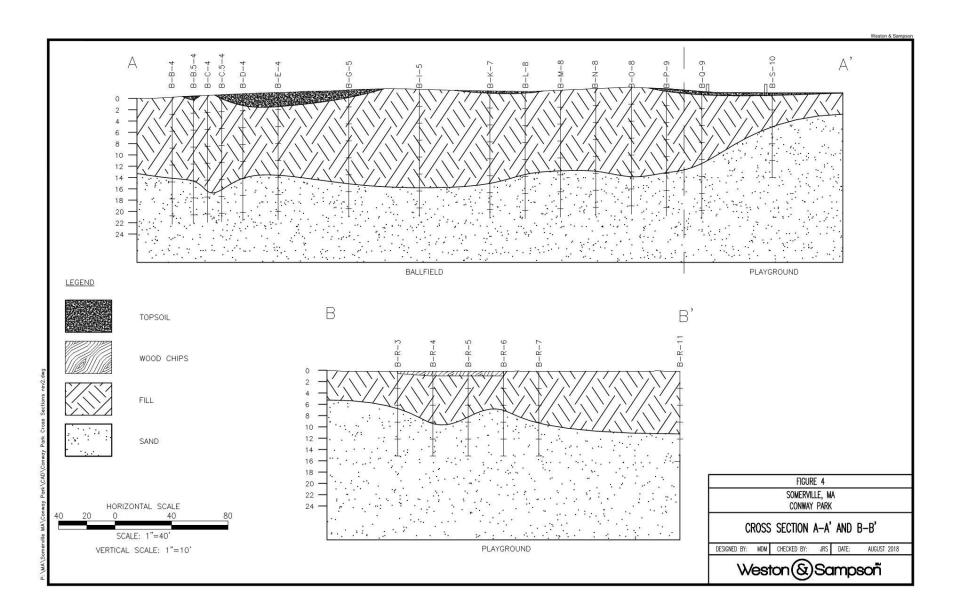
- Approximately 110 sampling locations
- Collected over 700 soil samples
  - Depth Integrated
  - Surface 0-0.5 feet
  - 1- and 2- foot increments
- 4 groundwater wells
- 7 concrete samples







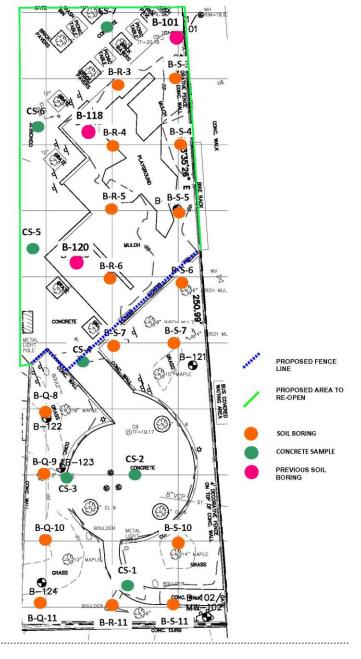






- Northwest portion
  - PCB Concentrations non detect or below 1 ppm
  - Lead 1 sample met standard, rest below.

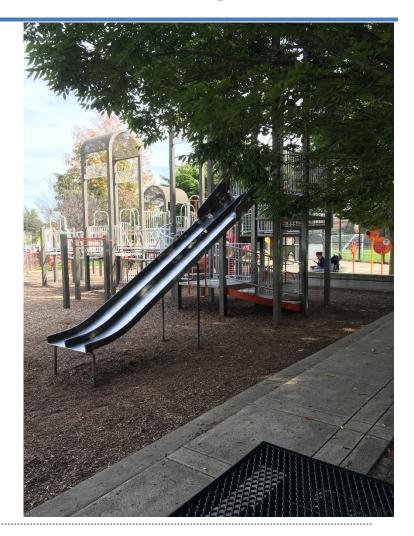
Parame ter	Uni ts	Min Conc.	Ma x. Con c.	No. of samp les	EPC- Averag e All data	No. of sam ples	EPC- Avera ge Surfic ial	MCP Meth od 1 Stand ard
Total PCBs	mg/ kg	ND (<0.081)	0.2 7	39	0.07	20	0.09	1
Lead	mg/ kg	4.2	200	35	63.82	18	67.91	200





### Playground Summary

- RecommendedReopening theNorthwest portion
- Keep SoutheastPortion closed for now



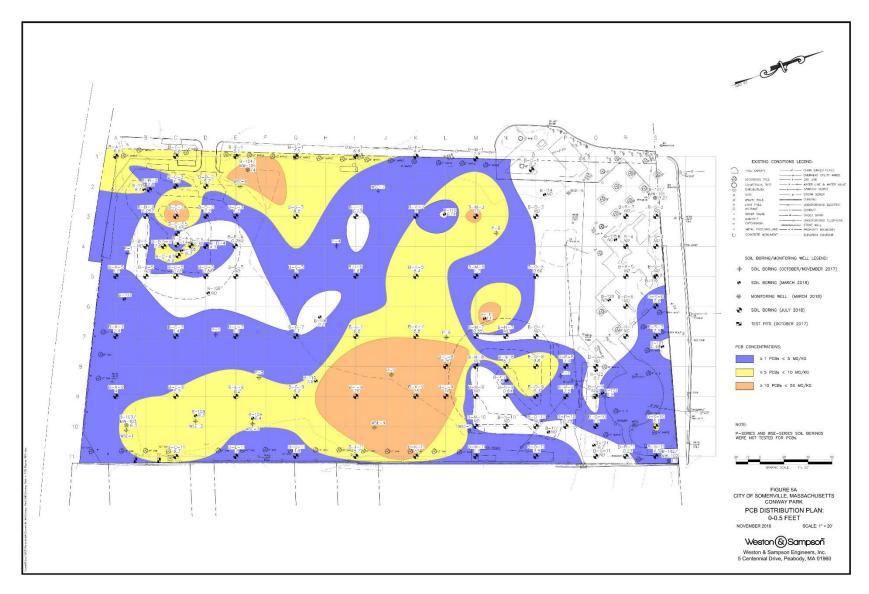


### **Ballfield Summary**

- PCB concentrations decrease with depth
- 0-0.5 feet (surficial soil) not as impacted
- Highest concentrations > 7.5 feet below grade

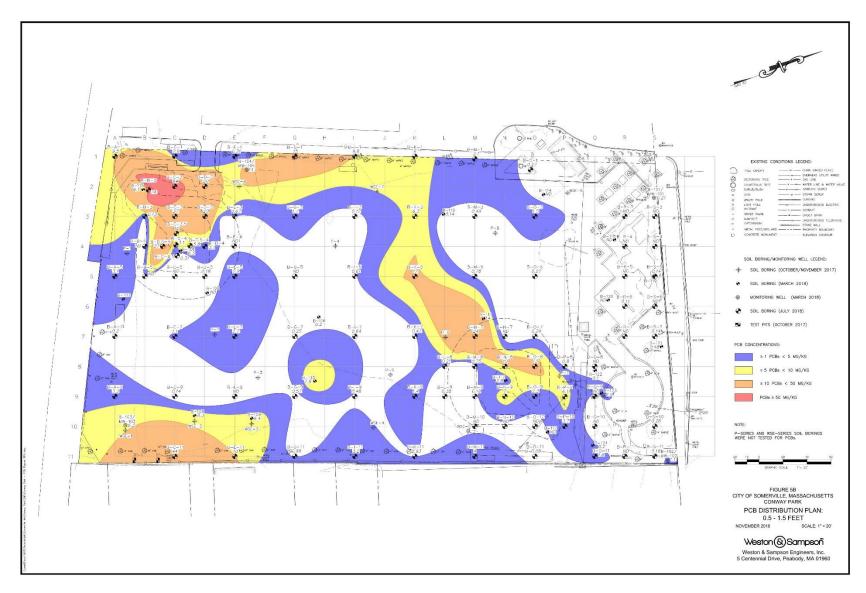
Depth Below Ground Surface	Non-Detect < 1 mg/kg	>/=1, < 5 mg/kg	>/=5, < 10 mg/kg	>/=10, < 50 mg/kg	> 50 mg/kg	Max Concentration
0 – 0.5 feet	24	22	21	7	0	26 mg/kg
0.5 – 1.5 feet	38	15	7	12	2	74 mg/kg
1.5 – 2.5 feet	38	19	4	11	2	1,200 mg/kg
2.5 – 3.5 feet	42	17	4	7	4	12,000 mg/kg
3.5 – 5.5 feet	53	7	5	1	8	20,000 mg/kg
5.5 – 7.5 feet	57*	7	1	6	3	2,600 mg/kg
7.5 – 9.5 feet	60*	2	1	1	1	40,000 mg/kg
9.5 – 11.5 feet	57*	3	1	1	0	49 mg/kg





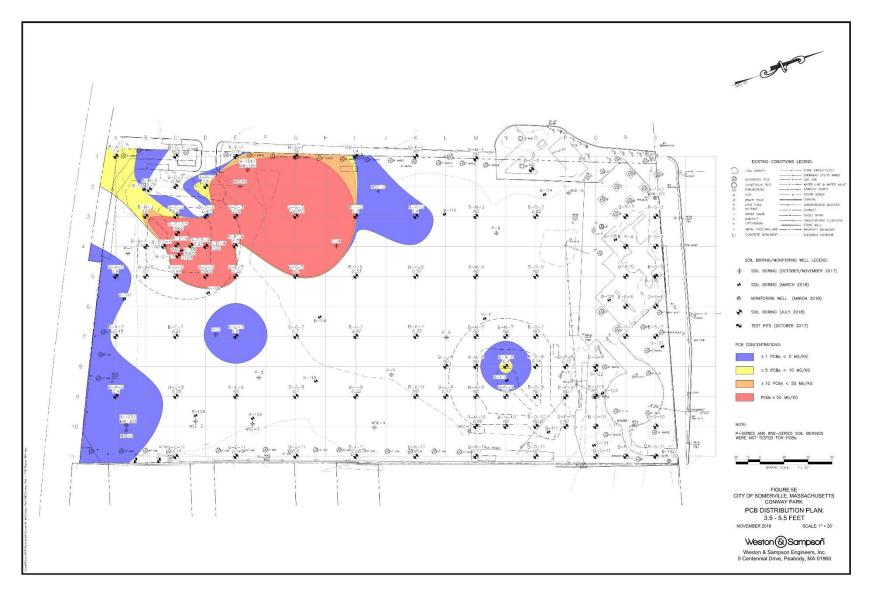
0-0.5 feet below grade





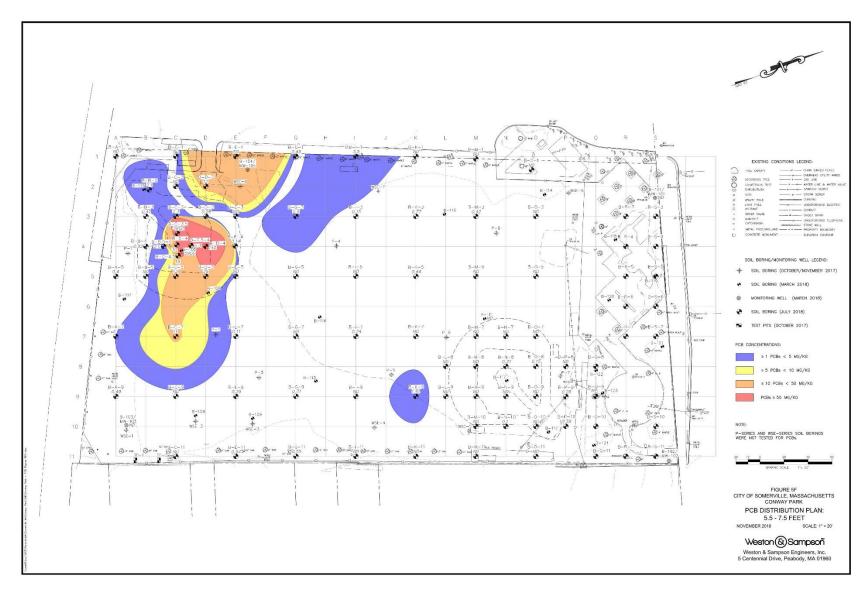
0.5 - 1.5 feet below grade





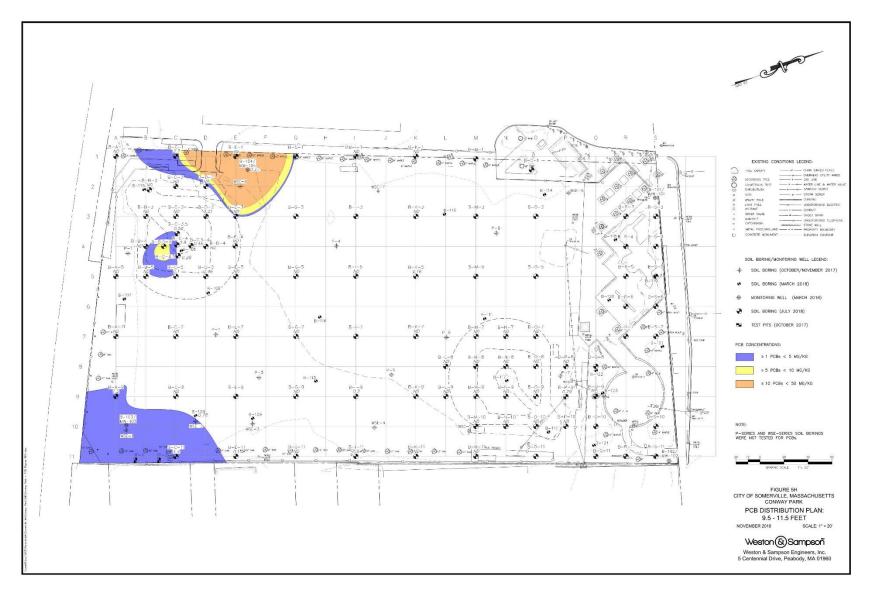
3.5 - 5.5 feet below grade





5.5 - 7.5 feet below grade





9.5 - 11.5 feet below grade



### **Next Steps**

- Received approval from City for next steps
- Evaluate Southwest Corner
  - Geophysical evaluation
  - Are there buried sources?
- Remedial Planning & Conceptual Design
  - Development of Remedial Options
  - Dovetail Remediation with Field design
  - Approval from EPA and DEP
  - Each Option has different costs



### Summary

- Reviewed the Site History and Regulatory Overview
- Discussed why a portion of the playground can be opened
- Reviewed the data:
  - Highest concentrations at depth and in the southwest corner
- Discussed Next Steps
- Questions





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